

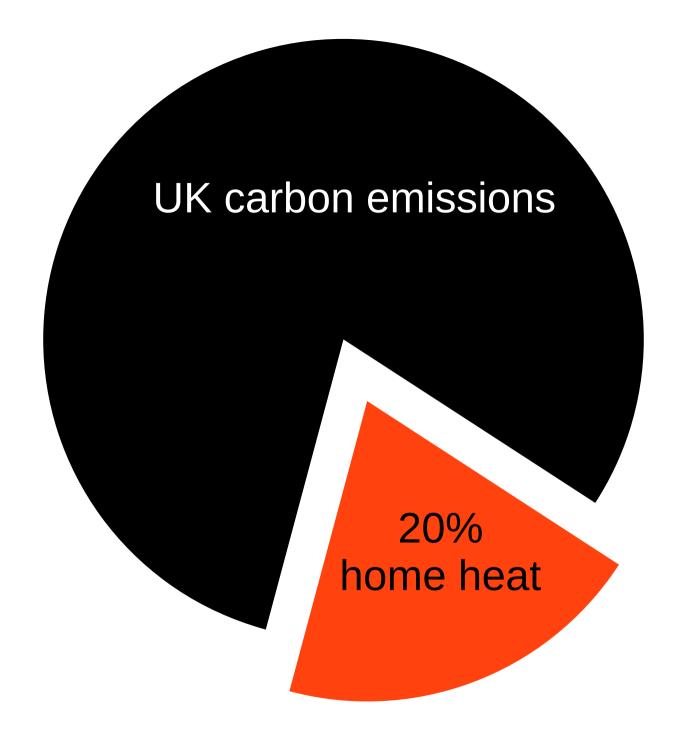
## building the smart city

Damon Hart-Davis

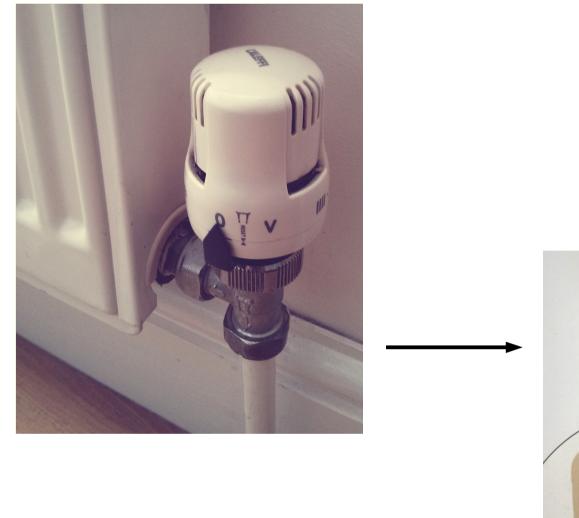
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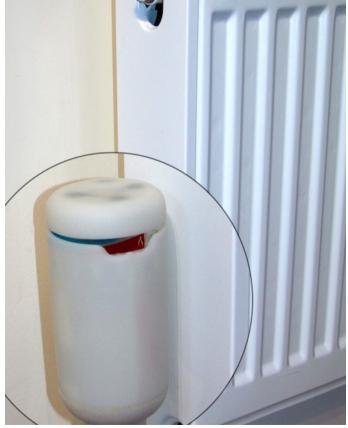
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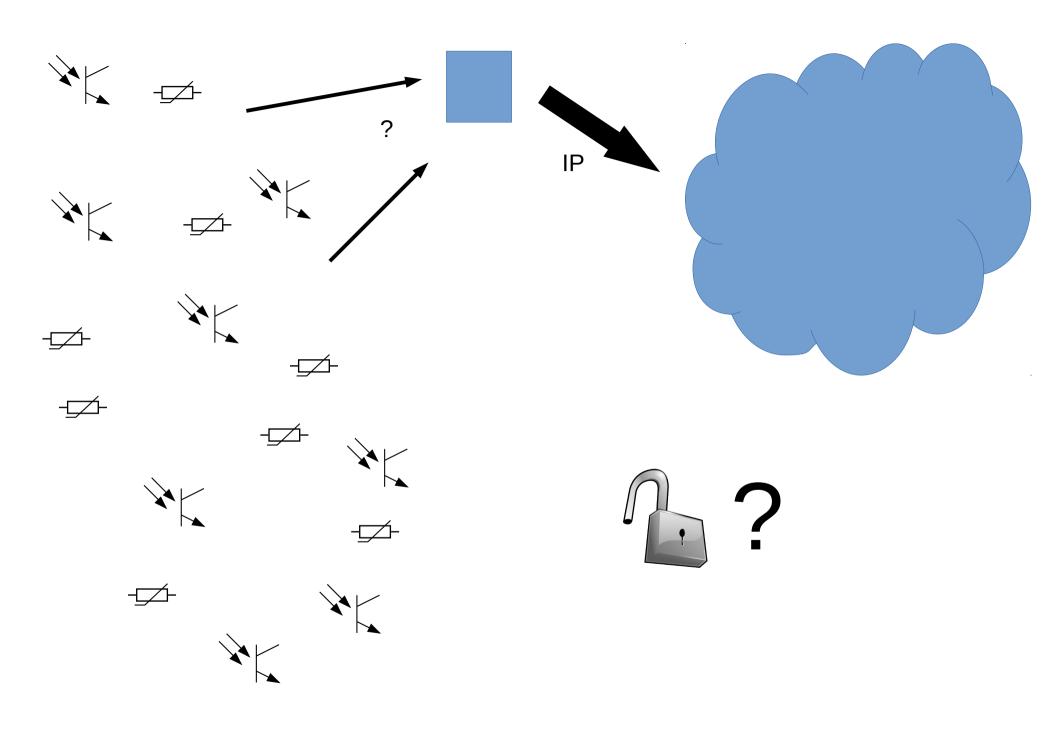


Problem: UK carbon emissions from domestic space heat 20%, gas bill £10bn/y, 50% wasted





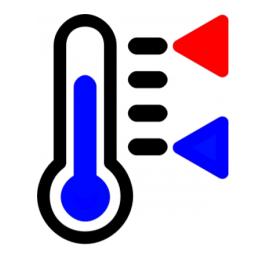
Solution: £10, user retrofit, 50% savings, occupancy + interlock, ISM, open "heating WiFi", BoE



IoT business case: "If you can measure, you can manage". NB "I" too big for small "T"!

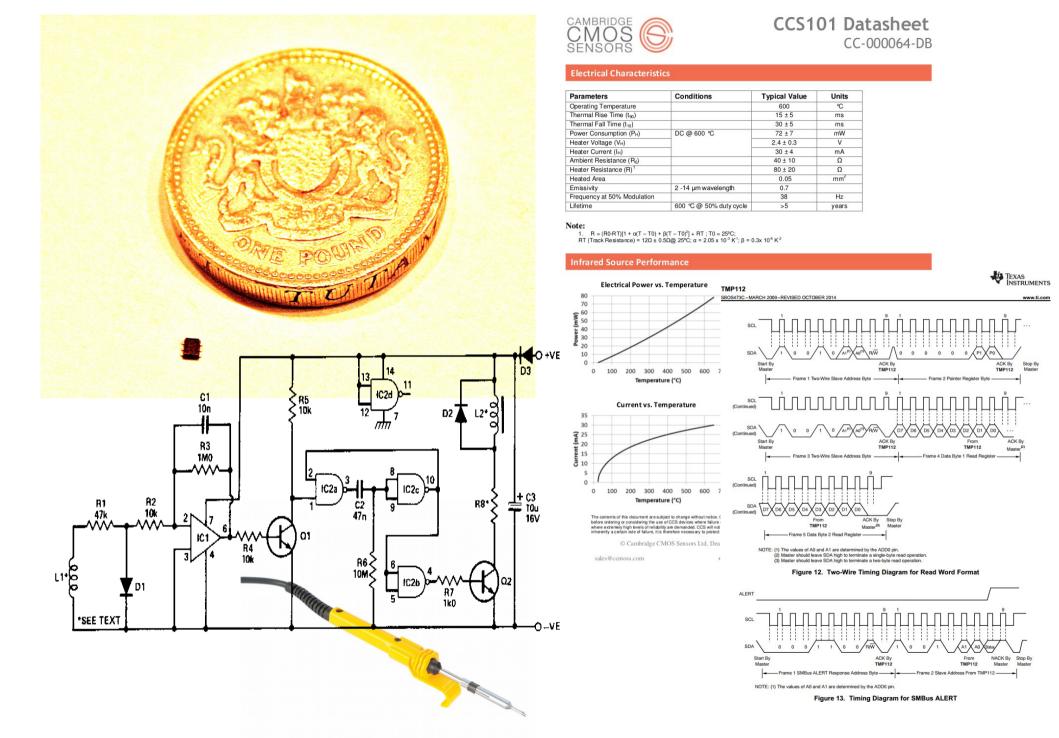








Cities: buses (transport), building health, efficiency, air + other env (20k temps across London?)



Hardware is hard: 80% of value & people in s/w but rubber hits road with the other 20%!



Horizonal: IoT technology; Innovate UK funding, new verticals in transport and building health

cut **10%** of UK carbon for **£100** per household

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simple open tech
big shared benefits